

Title (en)
Tracked vehicle road wheel.

Title (de)
Lauftrad für Gleiskettenfahrzeuge.

Title (fr)
Roue pour véhicules à chenilles.

Publication
EP 0159934 A2 19851030 (EN)

Application
EP 85400673 A 19850404

Priority
US 60079184 A 19840412

Abstract (en)
A road wheel (10, 12, 10a, 12c, 10b, 12b, 10c, 12c, 10d or 12d) for track-laying vehicles having a wear surface (30, 30a, 30b, 30c, 30d, 30e or 30f) exposed to abrasive contact with the track guide lugs, which wear surface is formed by a wear-resistant material (32, 32a, 32b or 32c) embedded in and surrounded by a matrix which forms an integral part of the wheel structure. The wear-resistant material may comprise a lubricant such as fibers, particles and/or bands of graphite, molybdenum disulfide, nylon, Teflon or other self-lubricating plastics which reduce friction between the wheel and track. Alternatively or conjointly, the wear-resistant material may comprise fibers, particles and/or bands of steel, tungsten carbide or ceramic. Where the wheel is of molded construction, such as aluminum (10, 12, 12a, 12b, 10c, 12c, 10d or 12d) or fiber-reinforced resin (10a or 10b), the wear-resistant material may be molded into position adjacent to and at the wear surface at the time of wheel manufacture. Where the wheel is preformed (10, 12, 10c, 12c or 12d), the wear-resistant material may be bonded in a separately-formed resin matrix which is then permanently affixed to the road wheel shoulder.

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B60B 19/00; **B62D 55/14**

IPC 8 full level
B60B 3/02 (2006.01); **B60B 19/00** (2006.01); **B62D 55/14** (2006.01)

CPC (source: EP US)
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Cited by
WO0179053A1; EP0360974A3; FR2724902A1; DE3435872A1; WO2009051674A1; US8100483B2; US8172342B2; US8465110B2; US8540325B2

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DOCDB simple family (application)
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